

WASTE MANAGEMENT OF HAWAII INC.

92-460 Farrington Highway Kapolei, HI 96707 (808) 668-2985 (808) 668-1366 Fax

2015 JUN 22 10:22am

June 19, 2015

Ms. Kris Poentis, Engineering Section State Department of Health **Environmental Management Division** Clean Water Branch 919 Ala Moana Boulevard, #300 Honolulu, HI 96801-3378

Subject:

Waimanalo Gulch Sanitary Landfill, Kapolei, Oahu, Hawaii

File No. HI R50A533

Dear Ms. Poentis:

Per Hawaii Administrative Rules (HAR) Chapter 11-55, Appendix B, this letter serves as written notification to the State Department of Health (DOH) Clean Water Branch (CWB) of a recent potential exceedance of storm water discharge limitations as stated in the Waimanalo Gulch Sanitary Landfill (WGSL) Notice of General Permit Coverage (NGPC), dated August 30, 2010 and renewed on December 9, 2013.

The potential exceedance is listed in the table below, along with the corresponding discharge limitation per the NGPC:

Table 1: WGSL Storm Water Sampling Exceedances

Sample Date	Sampling Point	Parameter	Result	Effluent Limitation
June 15, 2015	DB01-E	рН	11.87 to 10.37	5.5 – 8.0

Discharge from the site was the result of a short rainfall event which occurred in the afternoon of June 15, 2015. The sampling event occurred in the late afternoon of the same day. Analytical grab and composite samples were collected from the water actively discharging over the concrete weir at the point of compliance. At the time of the event, the continuous discharge averaged 0.21 ft³/sec at the east outfall (DB01-E) and no flow at the west outfall (DB01-W). The pH field measurements ranged from 11.87 to 10.37 during collection of the sample aliquots. The Field Information Form is attached for your information.

A representative of Waste Management of Hawaii (WMH) made a verbal notification of the potential exceedance to the CWB on June 16, 2015.

No direct cause for the pH exceedance could be identified. Sample appearance was slightly turbid, but had no odor, scum, oil sheen, or floating debris. The initial pH reading of 11.87 was obtained at 6:17PM, followed by descending values until the 7:02PM reading of 10.37. The field tech re-measured the pH at 8:05PM with an average reading of 8.27. It is suspected that the initial readings were the result of residue located within the small weir area or instrument/operator error. The 8:05PM readings are more in line with other discharge event pH readings, which we believe are the result of naturally occurring background ion levels in surrounding soils is the primary source of the elevated pH values. Water discharging from the Western Diversion Flip Bucket appeared visually much more turbid than the DB01-E sample.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you should have any questions or require additional information, please contact me at (808) 668-2985.

Very truly yours,

Joseph Whelan

General Manager/Vice President Waste Management of Hawaii

Loseph R. Whalam

Enclosures: Attachment A – Field Information Form

cc: Wayne Hamada - City and County of Honolulu

Justin Lottig – WMH Jesse Frey – WMH

Mark Hofferbert – AECOM Technical Services

	FIELD INFORMATION FORM
No	This form is to be completed, in addition to any State Forms. The Field Form is
N	te Sumple D B O 1 E Submitted along with the Chain of Custody Forms that accompany the Sumple containers (i.e. with the cooder that is returned to the laboratory)
KGE	PURGE DATE PURGE TIME ELAPSED HRS WATER VOL IN CASING ACTUAL VOL PURGED WELL VOLS
PURGE	AMA DD VVI (200) Hr Closk) (brs.min) (Callons) (Callons)
12)	Nanc: Far Passive Sampling, replace "Water Vol in Cusing" and "Well Vols Parged" wt Winer Vol in Tubingt line Cell and Tubingt Fline Cell Vols Parged Mark changes, record field data, below: Purging and Sampling Equipment Dedicated: Y or N Filter Device: Y or N 0.45 p or n 10 (circle in fill in)
MPL	, (singing and Samping Editipment at Detactives)
E/SA	Purging Device A- Suhmersible Pump D-Bailer B-Peristaltic Pump E-Piston Pump Filter Type: B-Pressure X-Other Sampling Device C-QED Bladder Pump F-Dipper/Buttle A-In-line Disposable C-Vacuum B-Pressure X-Other A-Tellon C-PVC X-Other: B-Stainless Steel D-Pulyannoylene
PURGE/SAMPLE	Sampling Device C-QED Bladder ruling P-Dipper/Binne A-Tellon C-PVC X-Other: N-Other: Sample Tube Type B-Stainless Steel D-Pulypropylene
-	Well Elevation Depth to Water (DTW) Groundwater Elevation
	Total Well Depth (from TOC) (from ground elevation) (ii) (from ground elevation) (iii) (from ground elevation) (iii) Material Note: Total Well Depth, Stick Up, Casing Id. etc. are optional and can be from historical data, unless required by Sue/Permit, Well Elevation, DTW, and Groundwater Elevation must be current.
F	Sample Time Rate/Unit pH Conductance (SC/EC) Temp. Turbidity D.O. eH/ORP DTW
	(2400 Hr Clock) (sid) (µmhos/cm @ 25 °C) (°C) (niu) (mg/L - ppm) (mV) (fi)
(le	2" 2" 2"
ptior	3" 3" 3"
A (0	
STABILIZATION DATA (Optional)	
NO	
ZAT	
BILLI	
STA	
1	Suggested range for 3 course, readings or 4/- 11/2 4/- 3%
_	by State/Permit/Site. If a Data Logger or other Electronic formal is used. fill in final rendings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or formal separately to Site. If no separately to Site. If no separately to Site. If no separate sheet or formal separately to Site. If no separately to
FIELD DATA	(MM DD YY) (std), (umhos/cm@25°C) (°C) (ntu) (mg/L-ppm) (mV) Units
ELD	061818 918
E	Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site. Sample Appearance: Odor: NONE Color: Island Other: no south no other.
7	Sample Appearance: Odor: VOVO Color: 17th The Other: 1990 Other: 1
	Specific Comments (including purge/well volume calculations if required):
	Aliquoty Time pH flow messor emercis (DBDI-E) remassiful pHE 8:05pm flow (DBOI-6
STA	A 1817 11.87 15" = ~ 0.3 A7/5 8.18
MM	B 1832 11.02 1" = 0.2 456 8.27 8"
000	c 1847 10.46 7/8" = 6.175 (17/5 8.75
FIELD COMMENTS	D 1902 10.37 3/4" = 0.15 F17/5 8.98
1	I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
600	6, 15, 15 KEVIN LET PO AECOIN
	Due Name Signature Company
	Date Name Signature Company DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy